

## ATTACHMENT A

### RESOLUTION NO.

#### MONITORING AND REPORTING PROGRAM FOR TEICHERT AGGREGATES MARYSVILLE READY MIX CONCRETE FACILITY YUBA COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for sump, tank, leak detection system, and wastewater/residual solids monitoring. This MRP is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

Field test instruments (such as those used to measure pH ) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are calibrated prior to each monitoring event;
3. The instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the “Reporting” section of the MRP.

#### SUMP AND TANK MONITORING

Each sump and tank (for the truck wash pad and solid waste pad) that receives wastewater shall be inspected weekly and monitored as follows:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Freeboard	0.1 Feet	Measurement	Weekly	Monthly
Sump/tank condition <sup>1</sup>	N/A	Observation	Weekly	Monthly

<sup>1</sup> Includes, but may not be limited to accumulation of solids that affects storage capacity; concrete cracks or spalling; coating cracks, separation, blistering, tearing; and any other signs of deterioration.

#### LEAK DETECTION SYSTEM MONITORING

The leak detection system shall be tested monthly for the presence of liquid. If free liquids are found in the system, they shall be removed and a sample shall be analyzed. At a minimum, the leak detection system monitoring program shall include the following:

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Liquid presence	--	Observation or measurement	Monthly	Monthly
Volume of liquid removed	gal	Flow meter or calibrated container	Monthly	Monthly

<u>Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
<u>Analytical testing for recovered liquid:</u>				
Total Dissolved Solids	mg/L	Grab	1	Monthly
pH	--	Grab	1	Monthly
Aluminum	mg/L	Grab	1	Monthly
Barium	mg/L	Grab	1	Monthly
Boron	mg/L	Grab	1	Monthly
Chromium, total	mg/L	Grab	1	Monthly
Chromium, hexavalent	mg/L	Grab	1	Monthly
Molybdenum	mg/L	Grab	1	Monthly
Sodium	mg/L	Grab	1	Monthly
Vanadium	mg/L	Grab	1	Monthly

<sup>1</sup> Required only if liquid is present in the leak detection system.

### WASTEWATER AND RESIDUAL SOLIDS MONITORING

At a minimum, the Discharger shall monitor discharges to the two waste management units as follows:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Wastewater				
Influent flow to sumps <sup>1</sup>	gpd	Meter reading	Daily	Monthly
Flow to recycling system <sup>2</sup>	gpd	Meter reading	Daily	Monthly
Volume transported offsite for disposal	gpd	Meter reading	Daily	Monthly
Residual Solids (if applicable)				
Volume removed from sumps placed on pad	cubic yards	Calculation	Daily	Monthly
Volume of reject concrete placed on pad	cubic yards	Calculation	Daily	Monthly
Volume of "rock-out" material placed on pad	cubic yards	Calculation	Daily	Monthly
Volume transported offsite for recycling or disposal <sup>3</sup>	cubic yards	Calculation	Daily	Monthly

<sup>1</sup> Include wastewater and storm water flows.

<sup>2</sup> Process wastewater flows from storage tanks into the batch plant shall be monitored and reported. In addition, the amount of makeup water used in the batch plant process shall be monitored and reported.

- <sup>3</sup> Records and receipts shall be maintained at the facility.

## **INSPECTION AND REPAIR**

All sumps, tanks, wash pads, and paved areas used to collect wastewater shall be thoroughly cleaned, inspected, and repaired as needed at least once per year. The following is a minimum list of required annual inspection items:

1. For tanks, check for:
  - a. Cracks and holes;
  - b. Evidence of corrosion;
  - c. Leaking pipes and valves;
  - d. Flow meter function.
2. For sumps, check for:
  - a. Concrete cracks and spalling;
  - b. Evidence of concrete chemical damage;
  - c. Leaking pipes and valves;
  - d. If the concrete is coated, check for cracks, tears, abrasion, and UV damage;
  - e. Leak detection system function; and
  - f. Flow meter function.
3. For wash pads and paved areas, check for:
  - a. Concrete cracks and spalling;
  - b. Failed pavement sections;
  - c. Damaged caulking;
  - d. Evidence of concrete chemical damage;
  - e. Evidence of curb damage; and
  - f. If the concrete is coated, check for cracks, tears, abrasion, and UV damage.

## **REPORTING**

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., leak detection system liquid, wastewater, etc.), and monitoring results or reported analytical result for each parameter are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

### **A. Monthly Monitoring Reports**

Monthly Monitoring Reports shall be submitted to the Regional Board by the **1<sup>st</sup> day of the second month following monitoring** (i.e. the January Report is due by 1 March). At a minimum, the Monthly Monitoring Report shall include:

1. Results of sump, tank, leak detection system, and wastewater/residual solids monitoring;
2. A scaled map depicting the locations of all sumps, tanks, wash pads/paved areas, and the locations where freeboard is measured;
3. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format;
4. If requested by staff, copies of laboratory analytical report(s);
5. A calibration log verifying calibration of all monitoring instruments and devices used to comply with the prescribed monitoring program.
6. A discussion of all off-site industrial waste disposal, including the names and addresses of haulers and disposal facilities utilized during the month; and
7. All activities performed to correct problems noted during weekly inspections.

### **B. Annual Monitoring Report**

An Annual Monitoring Report shall be prepared as the twelfth monthly monitoring report. The Annual Monitoring Report shall include all monitoring data required in the monthly monitoring schedule and shall be submitted to the Regional Board by **1 February** each year. In addition to the data normally presented in the Monthly Monitoring Reports, the Annual Monitoring Report shall include the following:

1. The contents of the regular monthly monitoring report for the last month of the year;
2. If requested by staff, tabular and graphical summaries of all monitoring data collected during the year;
3. A report of results for the annual inspection program, a complete description of all problems noted, and a complete description of repairs or replacements implemented to provide continuous complete containment of the waste;
4. A discussion of compliance problems and any corrective actions taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements;
5. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program;
6. A summary of information on the management and disposal of sediments, including names and address of disposal facilities, dates of shipment, and quantity shipped; and
7. A forecast of influent flows for the coming year, as described in Standard Provision No. E.4.

A transmittal letter shall accompany each self-monitoring report. The letter shall discuss any violations during the reporting period and all actions taken or planned for correcting violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the Discharger or the Discharger's authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate, and complete.

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